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The Missouri Miner, February 25, 1916

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THE MISSOURI MINER.

Missouri School of Mines and Metallurgy, Rolla, Mo.

Vol. 2, No. 23.

Friday, February 25, 1916.

Price 5 Cents

Miners 46; Central Wesleyan 23.

They say that variety is the spice of life, but there is such a thing as too much "spice." We got a little of the variety last Monday evening. Yea, verily, the boys played basketball on the aforementioned evening. The way Krause, Peterson, C. A., and Heman were finding the "hoop" was refreshing to gaze upon. "Red" and "Ole" also came thru with some points which helped swell the total.

In the "prelim" between the South Americans (Miners no. 2) and Rolla H. S., the S. A.'s put it over the H. S. lads to the tune of 12-1. It was a cross between a football and basketball game, in which the "youngsters" seemed to demonstrate a surprising degree of proficiency. Occasionally a man forgot himself and tossed a goal. The floor was cleared at 8:30 P. M., the big teams started a light workout which lasted about ten minutes.

At 8:40, Referee Anderson's whistle started the fireworks. The Miners opened with a rush, displaying an uncanny ability at caging the ball from almost any angle. Krause, Peterson and Heman, scored almost at will and subsequently the Miners gained a commanding lead of about fifteen points before the Wesleyan outfit tightened up their defence. In the fast work, the Miners had several fouls called on them and this alone saved the Wesleyan from an awful walloping. Jacoby, the Wesleyan left forward, was a sure bet on the fouls. He made nine points out of a total of eleven tries on free throws during the game. Wesleyan managed to get together seven points on two goals and three fouls in the first

half. The Miners, in the meantime, had amassed nine goals and two points on fouls, for a total of twenty points.

In the second half Wesleyan made one substitution, while the Miners showed the same line-up. Same old stuff: Fast passing and sensational scoring by Peterson and Krause, supplemented by Maher's points on fouls, increased the lead materially. Roth, the Wesleyan substitute, also increased the scoring ability of the up-state aggregation. Jacoby's unerring success on fouls scored six points for the Methodists in this half. Krause led the field with five baskets; Peterson was runner-up with four. When the final whistle blew, the Miners were going at top speed and had succeeded in adding twenty-six additional points to their score. Wesleyan also was going good, making thirteen points as their share.

The final score: Miners 46; Central Wesleyan 23.

Line-up and points scored in game:

| Miners: | Position | goals |
|-----------------|----------|-----------|
| Heman (c) | F | 3 |
| Krause | F | 8 |
| Peterson, C. A. | C | 6 |
| Maher | G | 1 F. T. 6 |
| Nevin | G | 2 |
| Total | | 46 |

| | | |
|-------------------|---|-----------|
| Central Wesleyan: | | |
| Polster | F | 1 |
| Jacoby | F | 2 F. T. 9 |
| Buehler | C | 0 |
| Grotewiel | G | 2 |
| Beck | G | 0 |
| Roth (2nd half) | F | 2 |
| Total | | 23 |

Referee: Anderson.

Send the MINER home. The folks will be glad to get it.

Work at the "Copper Shop" at Omaha.

[The following concludes the article, the first installment of which appeared two weeks ago.]

The lead refinery is under a separate superintendent and, as far as tools, cost sheets, and such items are concerned, is independent of the copper shop. Only a part of the lead output comes from the copper blast furnaces, and the balance of the lead enters the process at the softener's in the form of bullion.

The lead that is trammed from the settling kettle is put into large sampling kettles and cooked. Samples are now taken of this lead and assayed for gold and silver. After sampling, the lead is tapped into lead pots and trammed to the charging floor of the "softeners." The pot is run on an hydraulic lift or elevator, and elevated above the metal level in the furnaces, and then tapped.

The bullion samples are obtained by sawing up several bars and assaying the cuttings. To charge the bullion it is loaded on an endless chain belt, which discharges it into the softeners.

Six reverberatory type softeners are installed, which are fired by coke and oil. The length of time during which the metal remains in softeners depends upon the amount of impurities which the lead contains. Such impurities are oxidized off and recovered in the bag house; when the impurities are removed, the lead is run into large desilverizing kettles, and zinc is added. This mass is agitated for several hours by means of a steam driven agitator until the zinc has formed a "dross" with all the gold and silver present. The agitator is now lifted to another kettle, and

this mass chilled to below the melting point of the "dross." This zinc-gold-silver dross freezes out of solution, and being lighter than lead, floats on top. This dross is skimmed off, and the lead that is clinging to it is pressed out by a steam process.

The lead now contains about twelve pounds of zinc per ton, which is removed to make pure lead. This zinc is removed in two ways: 1st. If the lead is high in bismuth it is cast into electrodes, and refined in the "bismuth plant" by electrolysis. 2nd. If the bismuth content is too low to stand the expense of electrolytic refining it is put in a furnace, and the zinc volatilized off and collected in a bag house. A large part of the lead is mixed with tin and antimony, and marketed as babbitt metal.

The lead is cast into bars of 100 pounds each, trimmed, and given a run number, and loaded into cars. The moulds are carried on an endless chain belt, which greatly facilitates the moulding and numbering.

The "dross" from the desilvering kettles is taken to a zinc furnace, and the zinc and lead oxidized off, leaving pure gold and silver bullion. This bullion is cast into electrodes, and suspended in a lead lined vat filled with sulphuric acid. The silver is dissolved, and the gold settles to the bottom as "mud," and is collected after the vat is drained.

The gold "mud" is collected, melted up, and cast into bars. The bars are weighed on a large gold balance, and the weight stamped on each bar. The output of gold varies, but a fair average would be 2500 ounces per day.

The silver that is in solution is "thrown out" by adding copper, and settles to the bottom of the vat as silver "mud." Like the gold, this silver "mud" is collected, put into a furnace and melted. The silver is cast into bars weighing approximately 1000 ounces each, the exact weight being stamped on each

bar. The silver output averages 40,000 to 50,000 ounces per day, and together with the gold is shipped to the New York office.

The solution from which the silver was recovered now contains copper sulphate and an excess of sulphuric acid. This solution is pumped into large kettles in the "blue stone" plant, and the excess sulphuric acid consumed by adding granulated copper, or "scrap" copper from the junk dealers. This is done in a boiling solution, which dissolves the copper. Concentrating the solution is accomplished by running the solution through long open flumes that are heated. The crystallizing vats are about 8x12 feet and 4 feet deep. Lead lugs are suspended in the solution, and the copper sulphate crystals grow upon these lugs. When the solution becomes too weak to give up more copper, it is reconcentrated, and the operation repeated.

The crystals are grown under favorable conditions, and form a very beautiful growth. These are knocked from the lugs with a wooden mallet, and loaded into cars running on an overhead rail, crushed and barreled.

I can say little of the bismuth plant, for I spent but little time there. The lead is refined by the "Broach process," and the bismuth goes down as a slime or mud. The acid vats are arranged in banks, and a pump keeps the acid in motion. This plant spent close to a half million dollars on the "Patterson process" for recovery of bismuth, but this process would not work on such a large scale, and it was abandoned.

Many of the various minor processes I have been obliged to omit entirely, and, in fact, even some of the more important ones did not receive as much attention as I should have liked to have given them; but as this article was only intended for a brief survey of the operations most intimately connected with the lead refinery, I could not dwell

Rollamo Picture Show FRIDAY NIGHT,

February 25, 1916.



"THE DANGER SIGNAL,"
5-Act Drama from the story by
Rupert Hughes.

Saturday, Feb. 26th,
THEDA BARA

in
"THE DEVIL'S DAUGHTER."
Rollamo Weekly, No. 8.
Special music by the
MUCKER ORCHESTRA.

upon them in detail. The practical methods of metallurgy are ultimately the ones which every metallurgist must acquaint himself with as soon as he has finished his school course, and enters a smelter or refinery.

R. L. MASSEY.

Junior Notes.

The juniors are so very busy on their St. Pat's affairs that but little news is available this week. We expect to be able to tell more of our intentions and plans for that day soon.

"Woodrow," Young and Teas spent part of our recent holiday by taking a walk to St. James. Their intention was to arrive there in time to depart on No. 3, but unluckily the train departed before they arrived. This caused them to spend some time in St. James. Young immediately wanted to fuss but not very much luck was encountered in this field. Finally they hired a rig and so came back to Rolla.

Genl. Supt. Robert Marsh, Jr. of the Nevada Consolidated Copper Co., Ruth Nevada, writes that he has frequently openings for junior engineers, samplers, draftsmen and shift bosses; salaries paid range from \$100 to \$150 a month. The men are charged \$25 a month for room and board. The chances for promotion depend on opportunity and the service of the employee.

Special

FOR

Saturday, February 26

NO. 2 SIZE

Sliced Pine Apple

at 10 cts per can.

One or more cans at this price.

Try one of our

Robin Assortments

at \$9.95

with 25 lbs. Cane Sugar
FREE.

Model Grocery

Phones 78 and 279.

Remember, Boys,

I am still at my old stand.
You're always welcome.
Come in and see me.

Allison,

THE JEWELER.

The Best of Groceries.
The Best of Service.

What more can you ask
of your Grocer?

J. E. MORRIS'

Grocery,

Phone 168.

Landon C. Smith,

Dealer in

Hardware, Harness and Farm Implements.

I have an excellent line of
Guns, Fishing Tackle and other
Sporting Goods.

Students Always Welcome.

A. A. Benefit at Johnson's.

On George Washington's birthday, Mr. Johnson turned over the pool and billiard tables and the bowling alleys to the Athletic Association, which used the day's proceeds for a sweater fund. A bowling tournament was arranged for the afternoon, among the Clubs and Fraternities and the following Captains were appointed: McCartney, Kappa Alpha; Ashdown, Grubstakers; Joe Wilson, Sigma Nu; Raible, Kappa Sigma; Dowd, Bonanza, Doeling, Pi Kappa Alpha; Ebmeyer, Prospectors; Krebs, Corsairs; Smart, Muckers; and Dennie, Faculty. A pennant was offered as a prize to the club making the high score, which was won by the Faculty team, which totaled 402 pins. The Kappa Alpha's came second with a score of 390 and the Corsairs third with 372.

A match game was arranged between the three high teams, after the contest. This was won by the Corsairs.

The men who made the high scores in the contest were K. Heimbürger 152, Barton 151, Smart 149, and Massey 193.

On account of the late hour the "Five Back" contest was postponed.

In billiards D. Johnson won the prize for high run, making a run of 14. X. Smith was a close second with a run of 12.

The benefit was a total success, the Athletic Association clearing over \$25. This was due in no small part to the efforts of Messrs McCartney and Grotts, who presided at the "cash stand" and took charge of the hall most of the day. The "Miner" wishes, on behalf of the Athletic Association, to thank all those who assisted in making the day successful, especially the Messrs Johnson who, by their courtesy, made this day possible.

LOST.

A watch fob together with a Tau Beta Pi emblem. Finder kindly return to B. L. Ashdown and receive reward.

Freshmen Notes.

All freshmen interested in the swimming team report to Brazill. He expects an acceptance to our recent challenge in the near future.

Last Monday the Freshman Class had charge of the mass meeting in which they presented one of the best programs given since the first mass meeting. The first speaker called upon was Mr. Lucien Erskine, who spoke in behalf of the Rollamo. Following Erskine, Director McRae gave an interesting talk on student affairs of the past. Ashdown, the next speaker, gave a lengthy discussion of the students engaged in student enterprises and the reward they receive for their work.

Prof. Cox, representing the faculty, outlined the various systems of remuneration now in force at different colleges and pointed out the "jokers" in each case in regard to giving "credits" for work done in student activities.

Coach Dennie completed our program by reading the statistics on the enrollment at the U. of Pittsburg and attributing its rapid growth to its rise in athletics.

The four freshmen awarded sweaters were Brazill, Dowd, Krause and Bruce.

"Investing a Life."

Don't miss the lecture, "Investing a Life," by W. E. Bilheimer, one of St. Louis' most prominent business men, on Thursday evening, March 2nd, at 8 P. M., at Parker Hall. It will be well worth your time. Mr. Bilheimer is rated very high as a public speaker, and no one in Rolla can afford to miss this opportunity of hearing his message. The orchestra, under the direction of Mr. John W. Scott, will render a prelude. Admission is free, and no collection will be taken.

Subscribe for the Miner.

THE MISSOURI MINER

A weekly paper published by the Students, in the interest of the Alumni, Students and Faculty of the Missouri School of Mines and Metallurgy, Rolla, Mo.

Entered as second class matter April 2, 1915, at the post office at Rolla, Missouri, under the Act of March 3, 1879.

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Every student here heard "school spirit" preached at the beginning of the first semester of this year, until some considered a talk on such as "that old stuff again." Others asked, "What do you mean, school spirit?" And then, there were those who claimed, "We have as much and more school spirit here than most other schools have."

It is true that too much emphasis on one subject makes light of the subject; and we do not wish to discuss "the old stuff" again, but we do wish to say that we are not the only ones who have laid so much stress on school spirit. Very recently, in the Purdue Exponent, an editorial headed, "Is Purdue Spirit Dead?" was written to rejuvenate the lack of "pep" at Purdue. Other school publications dwell on the

same point.

To those who have asked "What do you mean, school spirit?" we are publishing an extract from the above mentioned article, which states:

"In Melvin Ryder's admirable little book, 'Rambles Round the Campus,' are suggested a few things which tend either to discourage or create loyalty. Here are a few of the things which really develop college spirit of the genuine type:

"Genuine work in the class rooms and laboratories.

"Due respect for the professors and men under whom you work.

"Honest work in student activities. A real method of showing possession of the right spirit.

"Financial support of athletics, the newspaper, and other things that are dependent upon such support for their prosperity.

"Manly deportment at all times.

"Social service to one's fellow-students."

Then, too, boys, turn back in your volume of Miners, and again read Dr. Barley's article on "School Spirit."

Now, to those who claimed, "We have as much and more school spirit here than most other schools have," we answer that you are correct. We have, and we should have. In such a school as ours we should all be of one congenial family, putting aside all petty differences, and working for "The School." We have school spirit here; we have improved it this year; and we will keep on, always a little better, for there are a few schools who may have more than we have. Let's lead, for we have a good start.

As a result of a typographical error the word "thoughtfulness" took place of "thoughtlessness" in a little note in last week's Miner.

Valerius, McNutt & Hughes report that the oil business is on the "boom." Oil selling at \$1.30, and some places receiving a 30c premium.

The Delmonico

W. E. HANS, Prop.

Try our Oyster Stews, Chili and Sandwiches, Faust Blend Coffee.

Finest line of Cigars, Cigarettes and Tobacco
Your patronage solicited.



The very newest woollens and the season's most authentic fashions from Ed. V.

Price &

Co. are now ready at our store for your inspection.

Select the pattern that pleases you and the style that best fits you have us send your measure in for Spring clothes made as you want them. We guarantee complete satisfaction or a return of your money.

HELLER'S**Rolla's Theatre.****COMING ATTRACTIONS.**

The Battle Cry of Peace.

The Island of Regeneration.

The Galloper.

The Affair of Three Nations.

The Big Sensation,

"THE GIRL AND THE GAME"
Starts

Tuesday, March 14th.
15 CHAPTERS.

A Season Ticket, good for Fifteen Tuesday Nights, \$1.00
Get them at the box office.

"What are you doing, sonny, fishing?"

"Nope, I'm just trying to drown this worm."—Daily Nebraskan.

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FOR
Something New.

Lemon Buns

Cocoanut Butter
Coffee Cake

Drop Cakes

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and all first-class Job Work
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SUNDAE.

SMAIL'S
SMOKE
SHOP.

ELITE CAFE.

GOOD EATS ALWAYS.

Trenk's Place.

NUF SED.

MINER CALENDAR.

Friday, Feb. 25—Miner out.
Rollamo Picture Show. Bas-
ketball, Miners v. Marionville
College, Jackling Gymnasium,
9:00 P. M.

Saturday, Feb. 26—Rollamo
Picture Show. Theda Bara in
"The Devil's Daughter."

Monday, Feb. 28—Lecture by
Dean McCaustland, at Mass
Meeting.

Senior Notes.

The Seniors all are working
hard to remove all chances of
running short on credit hours.

Last Friday the Senior St. Pat
Committee met and discuss-
ed plans for a float. If any Sen-
ior wants to win a prize, it just
takes one little suggestion on this
subject.

Carl Stifel, '16, has located in
Carterville, where he intends to
work for the next three months.
He will return in June to gradu-
ate.

G. E. Johnson chaperoned a
party of undergraduates on a
week-end trip to St. Louis.
Among other things they took
in a performance of "Watch Your
Step."

All the Seniors are requested
to order their caps and gowns for
St. Pat's day at once through
Chas. Gold.

Chas. Miller is preparing early
for the commencement ball.

James J. Dowd, '16, has an ar-
ticle in the February number of
the "Rose Technic" on St. Pat-
rick's day at the Missouri School
of Mines. The article is a credit
to the school, as well as to its
author.

IKKS.

An organization has been
formed among the students,
known as the IKKS, to promote
good fellowship and provide a
series of little smokers and get
together evenings. So far the
membership has been limited
but applications have been filed.
The organization will go by the
name of IKKS whose mystic
meaning is significant to mem-
bers only. It is the hope to in-
crease and further the interest
of M. S. M.

Alumni Notes.

R. H. Maveety, '12, now with
the Guerher Engineering Co.,
Bethlehem, Pa., is designing a
head frame for a coal company
in Pennsylvania, which, when
built, will be 116 feet high, and
the tallest one in the anthracite
region. The following extract
taken from his letter, may be in-
teresting to the students.

"I might add to this letter, in
closing, a short word of appre-
ciation. When I was in school I
little thought that my course in
framed structures would ever be
of great value to me. Now I see
that it was the most useful
course that I took, along with
my courses in mathematics, me-
chanics and strength of mater-
ials. I would say that it is my
experience that schools make a
mistake in specializing so much.
The fundamentals of science and
engineering should be thoroughly
ground into the students, and
not the fine points of any partic-
ular branch."

The January Bulletin of the
American Institute of Mining En-
gineers contains a paper by T. S.
Carnahan, '04, concerning the
methods and costs of mining by
the Utah Copper Co.

A. Emory Wishon, '09, is a
member of the "Committee on
Increase of Membership" of the
American Institute of Mining
Engineers. The Institute made
no mistake in getting a booster
when it selected "Wish."

The American Zinc Company
of Tennessee has been having a
rather strenuous time at its mine
at Mascot, of which H. K. Sher-
ry, '12, is assistant superintend-
ent. Fissures encountered per-
mitted the water of the creek
above to flow into mine No. 1.
Five 2,000-gallon Texas pumps
were expressed from Los Angel-
es, and a car load of motors from
the east, as well as various other
pumps and equipment from vari-
ous parts of the country, at a
cost of about \$100,000.00. The
mines had been so well developed
that the company was able by
careful work to keep the mills
going, and the production of ore
up to the normal amount.

A. W. Hare, '75, of Aspen,
Colo., has been on the sick list
the past winter.

Sophomore Column.

Shotwell and Spickard have reported at the Mascot mine of the American Zinc Company of Tennessee, and have been put on machines by H. K. Sherry, '12.

Last Wednesday afternoon we held a class meeting in order to receive the reports from the committees appointed at the previous meeting. Some definite plans for St. Pat's day were made and the committee was again empowered to gather more such ideas.

The chairman of the Banquet Committee, Terry, gave a nice little talk, but no definite action was yet taken. Definite data will be in in a week or so.

The committee on public safety made its report formally thru its chairman, but at once (comenzaron a meter mucha bulla) so the remainder of the meeting was turned over to the discussion of this matter.

Thursday evening a little tea party was held in honor of the new freshmen; and a few others very enjoyably supped with us. After refreshments were served, the sports of the evening followed. Songs and a paddling wound up the evening.

A short cut (to China).

Zeuch, Jameson and Bardsley Thursday night were out strolling in the neighborhood of the Grubstakers.

Zeuch:—"Follow me and I'll show you a short cut." Splash! After coming up out of the pool he remarked, "I guess that was a short cut to China." We fortunately did not follow.

Doenneke, Halley, and Allison spent last Tuesday at Panther Bluff. The two latter taking first plung of the season.

We tried to bring Walsh out Thursday evening but he was afraid that we thought he was a freshman.

Ore Maness kindly furnished tobacco for the crowd last night.

Thursday night the Sophomore C. E.'s and a few Junior C. E.'s

met to discuss St. Pat's. Some good ideas were presented but further action was postponed until next Tuesday at 4 P. M. when another meeting will be called. All C. E.'s in the school are requested to attend.

Musicale for Benefit of St. Pat's Day.

A delightful holiday was ended by a musicale, given as a benefit for St. Pat's Day celebration, last Tuesday evening. It is surprising, indeed, at times to find out how much musical talent there is among the students and townspeople. Mr. John W. Scott's orchestra, composed of students and of young men and women of Rolla, performed like professionals. Their selections were more than appreciated by all, and we are sure all would enjoy hearing them oftener than has been the custom. To Mr. Scott we attribute much of the success of the evening and wish to thank him for his time, efforts, and real music.

The quartet, composed of Messrs. Scruby, Dobie, Bates and Stoner also made a "huge hit" with the audience. Their songs were very appropriate and well sung. Their voices blended very harmoniously.

The mandolin trio composed of Messrs X. Smith, Burnett, and Ambler made the same impression with the audience as the orchestra and the quartet, and we look forward to hearing them again also.

The musicale was well attended and proved a success in all respects.

Resourceful Tailor.

"Haven't you any larger checks?"

"No," said the tailor, "these are the largest I have."

"I fear you have not a very extensive line of cloth."

"These are about as large as checks come in cloth. I might possibly make you up a vest out of lineoleum."

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Best to Eat
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SCHUMAN'S

Boy—Papa, how did they discover iron?

Father—I have heard they smelt it.—Daily Nebraskan.

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ROUGH DRY

5c per pound.

TRY IT.

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Steam Laundry
PHONE 88.

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Baltimore Hotel,

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Our service is first-class, and
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We have it;

AND

If you Have money

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OF ROLLA.

Model Meat Market

Fresh and Salt Meats.

FRESH, SALT and SMOKED
FISH.

All orders receive prompt and
careful attention.

NEGATIVE INFORMATION NOT WITHOUT VALUE.

May Save Oil Men Expenditure of Many
Thousands of Dollars in Fruitless
Drilling.

"Forewarned, forearmed" applies to oil-well drilling as much as to weather predictions. As the cost of putting down a well is great, drilling should preferably not be undertaken in a new region until a careful geologic examination of the surface has been made and the most favorable area determined. The geologist can not tell from a study of the surface alone whether or not oil occurs beneath the surface, but he can designate areas in which it is extremely unlikely that oil may occur and other areas in which the structure is favorable to the accumulation of oil. The United States Geological Survey has just published a report on the Cuyama Valley, Cal., which lies about 100 miles northwest of Los Angeles, between the very productive Sunset oil field on the northeast and the Santa Maria field on the southwest. The report which is based on field work done in 1914, describes the geologic formations and structure in detail, points out the possible sources of oil and the conditions unfavorable to its accumulation, and gives all the evidence for the conclusion that the chance for the development of a commercially successful oil-field in Buyama Valley is poor. It is possible that small pools may be found in a few areas, and these areas are pointed out. Two wildcat wells had been drilled before the field was examined by the Survey geologist, W. A. English who has written the report. This report may be obtained free by applying to the Director of the U. S. Geological Survey, Washington, D. C., for a copy of Bulletin 621-M.

Helen G.—You certainly gave me a queer look a minute ago.

Topsy—I don't remember it, but you've sure got it.—Daily Nebraskan.

Five high scores in Ten Pins
were:

| | |
|-------------|------------|
| Parker, | 203 |
| Roach | 197 |
| East | 196 |
| Scott | 193 |
| Raible | 192 |
| Parker won. | Score 175. |

The five high men in Five
Back last week were:

| | |
|---------------|-----------|
| Flanders | 63 |
| Stuart | 56 |
| Risher | 54 |
| Reinoehl | 53 |
| Sease | 53 |
| Reinoehl won. | Score 54. |

Similar contests this week.

Johnson Bros.

A Man's Appearance

is one of his most valuable assets. If we do your barbering that part of your appearance will be impeccable,

City Barber Shop,

C. M. Bunch, Prop.

MR. STUDENT!

A good life insurance policy is one of the best assets with which you can start when you leave school. It not only gives protection, but will help to establish credit wherever you may locate.

Any good company will issue you a better policy as a student than it would as a Mining Engineer, owing to the difference in the hazard, and as all our policies are incontestable from date of issue, you should get your policies before leaving school.

Would be glad to have you call, and we will talk over this matter. It is a matter of vital importance to you.

Your friend,
B. H. RUCKER.

Your Instructions Are Law

When you tell us to clean, press or repair your clothes paying, particular attention to certain things we follow your instructions.

THAT'S SERVICE.

May we have the opportunity of convincing you that our general line of work is superior.

Colley, the Tailor

Basketball Review.

The team returned from the baseball trip last Friday, after playing the games with the Springfield Y. M. C. A. and Drury College teams. The Springfield Normal team was not met on account of some schedule difficulties which were uncovered in the eleventh hour. The boys say that the games were hard fought clear thru, which the score might indicate. We lost them all by close scores. On looking over the score sheet, it is quite evident that fouls on the Miners' part, with subsequent, successful free throws on the part of the other fellows, put our boys at a great disadvantage. Our boys have, in most cases, to "go some" to beat a five man aggregation who have numerous free throws to their credit, with but few of the same against them.

The line-ups and points scored by the men are as follows:

Miners vs Springfield Y. M. C. A.

Miners

| Line-up: | Position | Points |
|-----------------|----------|--------|
| Heman (c) | F | 6 |
| Krause | F | 2 |
| Peterson, C. A. | C | 0 |
| Kluge | C | 0 |
| Maher | G | 4 |
| Nevin | G | 9 |
| Peterson, C. E. | | 2 |

Total 23

Y. M. C. A.

| | | |
|--------|---|----|
| Jay | F | 2 |
| Davis | F | 10 |
| Cox | C | 12 |
| Foster | G | 0 |
| Hyland | G | 4 |

Total 28

Score: Miners—23; Springfield Y. M. C. A.—28. Referee: Nee—Drury.

Miners vs. Drury. (1st game.)

Miners

| | | |
|-----------|---|----|
| Heman (c) | F | 0 |
| Krause | F | 12 |
| Peterson | C | 10 |
| Maher | G | 6 |
| Nevin | G | 0 |

Total 28

| | | |
|---------|---|----|
| Drury | | |
| Wilson | F | 8 |
| Snively | F | 16 |
| Wetzel | C | 10 |
| Cope | G | 0 |
| Roberts | G | 0 |

Total 34

Score: Miners—28. Drury—34.

2nd Game.

Miners:

| | | |
|-----------------|---|----|
| Heman (c) | F | 2 |
| Krause | F | 6 |
| Peterson, C. A. | C | 10 |
| Peterson, C. E. | C | 0 |
| Maher | G | 8 |
| Nevin | G | 0 |

Total 26

Drury:

| | | |
|---------|---|----|
| Wilson | F | 6 |
| Snively | F | 12 |
| Wetzel | C | 16 |
| Cope | G | 0 |
| Roberts | G | 0 |
| Carrol | G | 0 |

Total 34

Score: Miners—26; Drury—34.

J. H. Cox, Springfield Y. M. C. A. refereed the two Drury games.

Spring Sports.

The athletic director intends to institute, this spring, a tennis tournament. This will be an innovation at the School of Mines, and will give men who do not, or cannot, participate in the more violent forms of exercise, a chance to display their prowess. This also gives the fair co-eds an opportunity for recreation. A few of them are already expert, and only need the practice to develop them into second Mrs. Bundy's (nee Mae Sutton). Perhaps they may become second Molla Bjurstedts. The courts on the campus will be put into first class condition as soon as the weather permits, and will be kept in that condition throughout the remainder of the school year. More about the rules and regulations of the proposed tournament will be announced in a later issue.

The Rollamo Dance.

The dance given by the Rollamo board on Feb. 19, 1916, while not as well attended as some we have heard of, was nevertheless a modest success. When the dancing commenced, about twenty couples responded to the elusive strains of a Chopin one-step as it was translated by the Rollamo Orchestra. This orchestra, composed of Messrs Lucian Erskine, Dowd, Pryor and Roach, can go thru musical calisthenics with the ease of seasoned veterans. Dancing to the rhythm of their music is as easy as rolling off of a log. The floor also had been put in the proper condition for one to exercise a certain degree of grace while gyrating over its glossy surface. It had been waxed especially for this occasion.

The program called for the usual "cut ins" on the encores. This feature was taken advantage of by some eight or ten men who had "staggered" it. The dances were mainly one-steps, fox trots, and waltzes. Every dance called for at least one encore, and the evening's program had not been quite finished when "Mons." Erskine commenced "tickling the ivories" to the tune of "Good Night Waltz." We're beginning to look forward to the dances with increasing patronage and pleasure on the part of all who enjoy this form of amusement.

Last Saturday's dance was chaperoned by Director and Mrs. McRae, Prof. and Mrs. G. H. Cox and Col. and Mrs. Chas. L. Woods.

Locals.

Dean E. S. McCaustland of the University will give two lectures next Monday on Sanitation in small towns, mining camps and houses.

The Pipe and Bowl Club gave a picture show party, followed by a very enjoyable dance Friday evening. Mr. and Mrs. F. E. Taylor were the chaperones.